CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jodi Hobbs

Jodi Hobbs

07/01/2008

ე∪L **03** 2008 ^{*}

<u>PATENT</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Bryan et al.

Serial No.:

10/594,064

Case No.: 21571P

Art Unit:

1645

Filed:

September 25, 2006

Examiner:

For:

OPTIMIZED EXPRESSION OF HPV 52 L1 IN YEAST

Commissioner for Patents

P. O. Box 1450

Alexandria, VA 22313-1450

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

Attached is a copy of the official filing receipt received from the Patent and Trademark Office in the above application for which issuance of a corrected filing receipt is respectfully requested.

There is an error with respect to the title. The title is incorrectly cited as "Optimized Expression of HPV 58 L1 in Yeast". The correct title should read "Optimized Expression of HPV 52 L1 in Yeast".

Attached hereto is a copy of the Filing Receipt marked with the requested correction. Also attached for your reference is a copy of the Declaration, wherein the document shows the correct information.

Respectfully submitted,

By

Alysia A! Finnegan Reg. No. 48,878

Attorney for Applicant

MERCK & CO., INC.

P.O. Box 2000

Rahway, New Jersey 07065-0907

(732) 594-2583

Date: July 1, 2008



United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Ben 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

 APPLICATION NUMBER
 FILING or 371(c) DATE
 GRP ART UNIT
 FIL FEE REC'D
 ATTY.DOCKET.NO
 TOT CLAIMS IND CLAIMS

 10/594,064
 09/25/2006
 1645
 1100
 21571P
 24
 2

210 MERCK AND CO., INC P O BOX 2000 RAHWAY, NJ 07065-0907



CONFIRMATION NO. 5405 FILING RECEIPT

Date Mailed: 06/11/2008

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

Janine T. Bryan, Furlong, PA; Michelle K. Brownlow, Jamison, PA; Loren D. Schultz, Harleysville, PA; Kathrin U. Jansen, South San Francisco, CA;

Power of Attorney: The patent practitioners associated with Customer Number 210

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US2005/009199 03/18/2005 which claims benefit of 60/555,926 03/24/2004

Foreign Applications

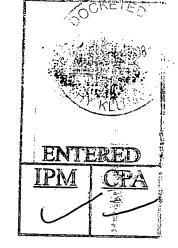
If Required, Foreign Filing License Granted: 06/10/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/594.064**

Projected Publication Date: 09/18/2008

Non-Publication Request: No

Early Publication Request: No



Title Optimized Expression of HPV 52 L1 in yeast

Optimized-Expression-of-Hpv 58-L1 in Yeast

Preliminary Class

435

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as

set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign AssetsControl, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

THAT THAT EMAN 21571 **Attorney Docket Number DECLARATION AND POWER OF ATTORNEY** First Named Inventor Bryan, et al. FOR UTILITY OR DESIGN **COMPLETE IF KNOWN** PATENT APPLICATION (37 CFR 1.63) Application Number Filing Date Declaration Declaration Submitted after Initial Submitted OR Filing (surcharge with Initial Group Art Unit (37 CFR 1.16 (e)) Filing required) Examiner Name

As a below named inventor,	, I hereby declare th	nat:										
My residence, mailing address, and citizenship are as stated below next to my name.												
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:												
OPTIMIZED EXPRESSION OF HPV 52 L1 IN YEAST												
the specification of which (Title of the Invention)												
the specification of which Solution Description												
OR is attached hereto	OR											
OR was filed on (MM/DD/	vvvv	•	as United States Applicat	ion Number or PCT Internation	onal							
Application Number		d was ame	ended on (MM/DD/YYYY)		pplicable).							
	ewed and understand	the conte	ents of the above identified sp	ecification, including the cla	ims, as							
Lacknowledge the duty to dis	sclose to the Patent a	nd Trader	nark Office all information k	nown to me to be material to	patentability							
as defined in 37 CFR 1.56, in the filing date of the prior app	icluding for continuation plication and the nati	ation-in-pa ional or P	art applications, material infor CT international filing date or	rmation which became availa f the continuation-in-part app	ble between blication.							
I hereby claim foreign priority certificate(s), or 365(a) of any America, listed below and hav or of any PCT international ap	PCT international appropriate PCT in	pplication ow, by ch	which designated at least on ecking the box, any foreign a	e country other than the Unite pplication for patent or inven	ed States of tor's certificate(s),							
Prior Foreign Application		ing date	Foreign Filing Date		Priority Claimed?							
Number(s)	Country		(MM/DD/YYYY)	Attorney Docket Number	YES NO							
				<u> </u>	 							
					<u> </u>							
Additional foreign applica	ition numbers are listed	on a supp	lemental priority data sheet PTO	SB/02B attached hereto.								
I hereby claim the benefit under	35 U.S.C. 119(e) of an	y United S	tates provisional application(s) l	isted below.								
Application Num	iber(s)		Filing Date (MM/DD/YYYY)	Attorney Docket	Number							
60/555,926		03/24/20	004	21571 PV								

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

designating to is not disclose 35 U.S.C. 11	m the benefit under 3 he United States of A sed in the prior Unite 2, I acknowledge the which became available.	America, listed d States or PC duty to discle	l below and, ins T international ose information	sofar a l applic i know	s the s cation in to m	subject in the ne to b	t matter of manner e materia	of each of provided al to pater	the cla by the ntability	ims of thi first parag y as defind	is applicati graph of ed in	on	
	J.S. Parent Application of					Filing l]	Parent Pater (if appli			
	Application Nun	iner		(IVIIVI)	UUII	11)			A mppu				
										-			
									 -				
Addition	al U.S. or PCT internat	tional applicatio	on numbers are li	sted on	a supp	lement	tal priority	y data shee	t PTO/S	B/02B atta	ached hereto).	
As a named in	ventor, I hereby appoint stered practitioner(s) to	it, respectively a	and individually,	as my a	attorne	y(s) or	agent(s) v	with full po	wer of	substitution t and Trade	and revoca	ation, the	
connected the	rewith:	Practitioners Ass	sociated with the	Custon		Г		0210					
Registered practitioner(s) named below Registration Name Registration												ation	
	Name		Number	-			148				Numb	oer	
				-+									
				+		-							
			 .	_									
Direct all cor	respondence to: X	Customer N	umber 00	0210	0								
Name	Alysia A. Finnegan												
Address	Merck & Co., Inc	Patent Depart	ment										
Address	P.O. Box 2000, RY	760-30		. ,		т							
City	Rahway		·	Sta	ate	NJ		ZIP	C)7 06 5-090)65-0907		
Country	USA		Telephone	(732)	594-25	583		Fax	(732)594-	4720 		
belief are bel the like so m	are that all statement ieved to be true; and ade are punishable b ze the validity of the	further that the fine or impr	nese statements isonment, or bo	were i	made der 18	with th 3 U.S.C	he knowl	ledge that	willful	false stat	ements and	d	
Name of Sole o	r First Inventor:] A p	etitior		n filed for					
	ven Name (first an	d middle [if	any])			_	F	amily Na	me or	Surname	2		
Janine T.			<u> </u>	В	Bryan		- 1						
Inventor's Signature	Janune	7 By	()		1			Date	03	marco	L 2005	<u> </u>	
Residence: City	Furlong		State PA		Cou	ntry	US		Citize	enship [JS 	<u> </u>	
Mailing Address	Merck Resea	arch Laborato	ries, Sumneyto	wn Pik	ke, P.C	D. Box	4			.			
City	West Point			S	tate	PA	ZIP	19486		Countr	y U.S.A.		
X Additional	inventors are being na	med on the 1	supplemental	Additio	onal In	ventors	s(s) sheet((s) PTO/SB	3/02A at	tached her	eto.		

DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Addition		A petition has been filed for this unsigned inventor											
Give	n Na	me (first and middle [if	anyl)					Fa	mily Na	ame o	r Surnan	ne	
Michelle K.					В	rownlow	v						
Inventor's Signature		Michele K	Blown			low			Date	0	3Ma	r Ə	005
Residence: City	Jami	ison	State	tate PA			ountry US			Citiz	enship	US	
Mailing Address		Merck Research Laborato	ries, Sumneytown Pike, P.O. Box 4										
City	West Point		State	e PA	A	ZII	1948	6		Countr	y U.	S.A.	
Name of Addition	al Jo	oint Inventor, if any:		A petition has been filed for this unsigned inventor									
Give	n Na	me (first and middle [if	any])					Fa	mily Na	ame o	r Surnan	ne	
Loren D.					s	chultz		,					
Inventor's Signature		Inn f	5/0	Um		3/			Date	0.	3.M	Arc	1.2005
Residence: City	Harl	leysville		Count	r y U	S		Citiz	Citizenship US				
Mailing Address		Merck Research Laborato	ries, Sur	es, Sumneytown Pike, P.O. Box 4									
City		West Point		State P			ZIP	19486			Countr	y U	S.A.
		oint Inventor, if any:	A petition has been filed for this unsigned inventor										
Give	n Na	me (first and middle [if	f any]) Family Name or Surname										
Kathrin U.				Jansen									
Inventor's Signature													
Residence: City		-	State			Count	r y U	S		Citizenship DE			
Mailing Address		Merck Research Laborato	ries, Sur	nneytowi	ı Pik	e, P.O. I	Box 4						
City		West Point			Sta	te PA		ZIP 19	9486		Countr	y U	S.A.
		oint Inventor, if any:				A pe	tition				unsigned		ntor
Give	n Na	me (first and middle [if	any])					Fa	mily Na	ame o	r Surnan	<u>ie</u>	
Inventor's Signature		-							Date				
Residence: City			State			Count	у			Citiz	enship		
Mailing Address													
City					Sta	te		ZIP	Сот			ntry	

JUL 0 3 2008

EMAR	DECL	ARA	TIC	N AND	Attorney Docket Number	21571 Bryan, et al.						
	POWER			ΓORNEY R DESIGN	First Named Inventor							
				CATION	COMPLETE IF KNOWN							
(37 CFR 1.63)				-	Application Number							
X	Declaration		П	Declaration	Filing Date							
ت	Submitted with Initial Filing	OR	_	Submitted after Initial Filing (surcharge (37 CFR 1.16 (e))	Group Art Unit							
		required)										

Examiner Name

As a below named inventor,	I hereby declare tha	at:									
My residence, mailing address, and citizenship are as stated below next to my name.											
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:											
OPTIMIZED EXPRESSION OF HPV 52 L1 IN YEAST											
			Title of the Invention)								
the specification of which											
bears the Attorney Docket Number and Title of the Invention noted above											
OR											
is attached hereto OR											
was filed on (MM/DD/	YYYY)		as United States Application	on Number or PCT Internation	nal						
Application Number			nded on (MM/DD/YYYY)		licable).						
I hereby state that I have revi	ewed and understand	the conte	ents of the above identified sp	ecification, including the clair	ns, as						
amended by any amendment	specifically referred to	o above.									
I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between											
the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's											
certificate(s), or 365(a) of any	PCT international ap	plication	which designated at least on	e country other than the United	d States of						
America, listed below and have or of any PCT international appropriate the control of the contro	ve also identified below	w, by ch	ecking the box, any foreign aphefore that of the application	opplication for patent or inventors, which priority is claimed.	or's certificate(s),						
Prior Foreign Application	opineation having a mi	ing date	Foreign Filing Date	l l	Priority Claimed?						
Number(s)	Country		(MM/DD/YYYY)	Attorney Docket Number	YES NO						
Additional foreign applica	ation numbers are listed (on a supp	lemental priority data sheet PTO/	SB/02B attached hereto.							
I hereby claim the benefit under	35 U.S.C. 119(e) of any	United S	tates provisional application(s) li	sted below.							
Application Num	her(s)		Filing Date (MM/DD/YYYY)	Attorney Docket	Number						
60/555,926)3/24/20		21571₽ √							
	-				. <u></u> -						
				<u> </u>							

DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

I hereby clair designating t is not disclos 35 U.S.C. 11 37 CFR 1.56 date of this a	he United in the 2, I ack	ed States of a te prior Unite nowledge the became avai	America, li ed States or e duty to di	isted b r PCT isclos	elow interior	and, ins national rmation	ofar a applio know	s the cation on to 1	subje in th ne to	ect man ne man be ma	tter o nner ateri:	of each of provided al to pater	the c by the tabili	laims of e first p ity as de	f this a aragra efined	application aph of in	
U.S. Parent Application or PCT Parent									t Filing	g Date				Parent l	Patent N		
		Application Nur	noer					(IVLIVL	אושע Y	111)				(A)	rp.acut		
			_														
		or PCT interna															
As a named in following regi connected the	stered pr	actitioner(s) to	nt, respective o prosecute to Practitioners OR Registered p	this ap s Asso	plicati ciated	on and to	transa	act all	busine	ess in	the U	with full pointed State	ower of Pate	f substitt nt and T	ition ai	nd revocatio ark Office	n, the
	Nam	ne		I	Registi Num						Na	me				Registratio Number	n
					Num											A 11-22-2 V 3	
		-										•					
		"-:"-															
Direct all con	respond	dence to: X	Custome	er Nu	mber	000)21	0									
Name	Alysia A	A. Finnegan															
Address	Merck o	& Co., Inc	Patent Dep	partm	ent												
Address	P.O. Bo	ox 2000, R	Y60-30														
City	Rahway	у					Sta	ate	NJ			ZIP	07065-0907				
Country	USA				Telep	hone	(732):	594-2	583			Fax		(732)594-4720			
I hereby decl belief are bel the like so m may jeopardi	ieved to ade are	o be true; and punishable b	l further the	at the	se sta	tements nt, or bo	were : th, un	made der 1	with 8 U.S	the ki	nowl	edge that	willfi	ul false	statem	nents and	
Name of Sole o	r First	Inventor:] A 1	petitio	on has	s bee	n filed fo	r this	unsigne	d inve	entor	
	ven Na	me (first at	nd middle	[if a	ny])						F	amily Na	ime c	or Surn	ame		
Janine T.							В	ryan									
Inventor's Signature	<u> </u>			- 1								Date					
Residence: City	Furle	ong		S	tate	PA		Соц	ntry	us			Citiz	zenshij	US		
Mailing Address		Merck Rese	arch Labor	ratorio	es, Su	mneytov	vn Pil	ke, P.	O. Bo	ox 4							
City		West Point					S	tate	PA];	ZIP	19486		Cou	ntry	U.S.A.	
X Additional	invento	rs are being n	amed on the	1	_suppl	emental	Additi	onal Ir	vento	ors(s) s	heet(s) PTO/SB	/02A	attached	hereto		

DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S) Supplemental Sheet

Name of Addition	nal Jo	oint Inventor, if any:					A petition has been filed for this unsigned inventor							
Give	n Na	ame (first and middle [if	anvl)				Family Name or Surname							
Michelle K.	41 110	ane (mst and medic [m	<u> </u>			Br	Brownlow							
Inventor's Signature						-	Date							
Residence: City	Jami	ison	State	PA	١.	(Country US				Citiz	zenship	us	
Mailing Address		Merck Research Laborato	ytown	Pike	, P.O. 1	3ox 4								
City	West Point					PA		ZIF	1948	6		Countr	y U.S	S.A.
Name of Addition	nal Jo	oint Inventor, if any:					A petition has been filed for this unsigned inventor							
Give	n Na	ame (first and middle [if	any])						Fa	mily N	ame c	r Surnan	ne	
Loren D.						Scl	hultz							
Inventor's Signature										Date				
Residence: City	Harl	Harleysville State PA Country US							Citiz	zenship	US			
Mailing Address	Mailing Merck Research Laboratories, Su							3ox 4						
City West Point				s	tate	PA	A ZIP 19486					Countr	y U.	S.A.
Name of Addition	ıal Je	oint Inventor, if any:					A pe	tition	has bee	en filed f	or this	unsigne	linve	ntor
Give	n Na	ame (first and middle [if	any])						Fa	mily N	ame c	r Surnan	ne	
Kathrin U.						Jar	nsen							
Inventor's Signature	•	5.2		<u>_</u>	>		_ Date 3 rearde						. હ્ર	305
Residence: City	Sout	th San Francisco	State	CA	.	•	Count	ry U	s		Citiz	Citizenship DE		
Mailing Address		Merck Research Laborato	ories, Su	mne	eytown	Pike	, P.O. I	Box 4						
City		West Point				Stat	te PA		ZIP 1	9486		Countr	y U.	S.A.
		oint Inventor, if any:					A pe	tition	has bee	en filed i	or this	unsigne	l inve	ntor
Give	n Na	ame (first and middle [if	any])						Fa	mily N	ame c	r Surnan	ne	-
														10 400
Inventor's Signature										Date				
Residence: City			State				Count	гу			Citiz	zenship		
Mailing Address											7			1
City						Stat	te		ZIP			Cou	ntry	